

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/587,539
Source: IFWP
Date Processed by STIC: 08/09/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,539

TIME: 10:11:53

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\08092006\J587539.raw

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3 <110> APPLICANT: Keiko ABE
4      Tomiko ASAKURA
5      Hiroyuki SORIMACHI
6      Tazuko UENOYAMA
7      Kenichiro NAKAJIMA
8      Katsuhiko KITAMOTO
9      Junichi MARUYAMA
10     Mikiya KISHI
12 <120> TITLE OF INVENTION: NOVEL TASTE-MODIFYING POLYPEPTIDE NAS, DNA THEREOF AND USE
THEREOF
14 <130> FILE REFERENCE: 1333.46425X00
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/587,539
C--> 16 <141> CURRENT FILING DATE: 2006-07-28
16 <150> PRIOR APPLICATION NUMBER: JP2004-19251
17 <151> PRIOR FILING DATE: 2004-01-28
19 <160> NUMBER OF SEQ ID NOS: 18
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 591
25 <212> TYPE: DNA
26 <213> ORGANISM: Curculigo latifolia
28 <400> SEQUENCE: 1
29 acaatggcgg ccaagtttct tctcaccatt cttgtcacct ttgcggccgt cgctagcctt      60
31 ggcattggccg acagtgtcct gctctccggg caaactctgt atgccggcca ctccctcacg      120
33 tcgggcagct ataccttaac catacaaaac aactgcaacc tgggtgaaata ccagcacggg      180
35 aggcagatct gggctagcga cactgacggg cagggtctcc aatgccgcct cacattgcgg      240
37 agtgacggga acctcattat ctacgacgac aacaacatgg tcgtgtgggg gagcgactgc      300
39 tgggggaaca acggcacgta tgctcttggt cttcagcagg atggcctctt tgtcatctat      360
41 ggcccgggtt tgtggcccct tggccttaat ggggtgccgca gtcttaatgg tgaaatcaca      420
43 gttgctaagg attctactga accacaacat gaggatatta agatggatgat taataattaa      480
45 tcaagtgaga ggattgttat gagaataatg agggaatgga agaccaatct catgtcgggtg      540
47 tggcctatct cgacctgttt gcagtgcctt tgttaaaata acacattgct t      591
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 113
52 <212> TYPE: PRT
53 <213> ORGANISM: Curculigo latifolia
55 <400> SEQUENCE: 2
57 Asp Ser Val Leu Leu Ser Gly Gln Thr Leu Tyr Ala Gly His Ser Leu
58 1          5          10          15
61 Thr Ser Gly Ser Tyr Thr Leu Thr Ile Gln Asn Asn Cys Asn Leu Val
62          20          25          30
65 Lys Tyr Gln His Gly Arg Gln Ile Trp Ala Ser Asp Thr Asp Gly Gln
66          35          40          45
69 Gly Ser Gln Cys Arg Leu Thr Leu Arg Ser Asp Gly Asn Leu Ile Ile

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70      50      55      60
73 Tyr Asp Asp Asn Asn Met Val Val Trp Gly Ser Asp Cys Trp Gly Asn
74 65      70      75      80
77 Asn Gly Thr Tyr Ala Leu Val Leu Gln Gln Asp Gly Leu Phe Val Ile
78      85      90      95
81 Tyr Gly Pro Val Leu Trp Pro Leu Gly Leu Asn Gly Cys Arg Ser Leu
82      100      105      110
85 Asn
89 <210> SEQ ID NO: 3
90 <211> LENGTH: 158
91 <212> TYPE: PRT
92 <213> ORGANISM: Curculigo latifolia
94 <400> SEQUENCE: 3
96 Met Ala Ala Lys Phe Leu Leu Thr Ile Leu Val Thr Phe Ala Ala Val
97 1      5      10      15
100 Ala Ser Leu Gly Met Ala Asp Ser Val Leu Leu Ser Gly Gln Thr Leu
101      20      25      30
104 Tyr Ala Gly His Ser Leu Thr Ser Gly Ser Tyr Thr Leu Thr Ile Gln
105      35      40      45
108 Asn Asn Cys Asn Leu Val Lys Tyr Gln His Gly Arg Gln Ile Trp Ala
109      50      55      60
112 Ser Asp Thr Asp Gly Gln Gly Ser Gln Cys Arg Leu Thr Leu Arg Ser
113 65      70      75      80
116 Asp Gly Asn Leu Ile Ile Tyr Asp Asp Asn Asn Met Val Val Trp Gly
117      85      90      95
120 Ser Asp Cys Trp Gly Asn Asn Gly Thr Tyr Ala Leu Val Leu Gln Gln
121      100      105      110
124 Asp Gly Leu Phe Val Ile Tyr Gly Pro Val Leu Trp Pro Leu Gly Leu
125      115      120      125
128 Asn Gly Cys Arg Ser Leu Asn Gly Glu Ile Thr Val Ala Lys Asp Ser
129      130      135      140
132 Thr Glu Pro Gln His Glu Asp Ile Lys Met Val Ile Asn Asn
133 145      150      155
136 <210> SEQ ID NO: 4
137 <211> LENGTH: 23
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: primer NC1S
144 <400> SEQUENCE: 4
145 atggcggcca agtttcttct cac
148 <210> SEQ ID NO: 5
149 <211> LENGTH: 25
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: primer NC1A
156 <400> SEQUENCE: 5
157 taatcaccat cttaatatcc tcatg

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160 <210> SEQ ID NO: 6
161 <211> LENGTH: 114
162 <212> TYPE: PRT
163 <213> ORGANISM: Curculigo latifolia
165 <400> SEQUENCE: 6
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168 1          5          10          15
171 Gln Ala Gly Ala Tyr Thr Leu Thr Ile Gln Asn Lys Cys Asn Leu Val
172          20          25          30
175 Lys Tyr Gln Asn Gly Arg Gln Ile Trp Ala Ser Asn Thr Asp Arg Arg
176          35          40          45
179 Gly Ser Gly Cys Arg Leu Thr Leu Leu Ser Asp Gly Asn Leu Val Ile
180          50          55          60
183 Tyr Asp His Asn Asn Asn Asp Val Trp Gly Ser Ala Cys Trp Gly Asp
184 65          70          75          80
187 Asn Gly Lys Tyr Ala Leu Val Leu Gln Lys Asp Gly Arg Phe Val Ile
188          85          90          95
191 Tyr Gly Pro Val Leu Trp Ser Leu Gly Pro Asn Gly Cys Arg Arg Val
192          100          105          110
195 Asn Gly
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 52
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: primer1
207 <400> SEQUENCE: 7
208 ggggacaact ttgtatagaa aagttgatgc atttcatggt gttttgatca tt      52
211 <210> SEQ ID NO: 8
212 <211> LENGTH: 49
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: primer2
219 <400> SEQUENCE: 8
220 ggggactgct tttttgtaca aacttgtcga gctactacag atcttgcta      49
223 <210> SEQ ID NO: 9
224 <211> LENGTH: 64
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: primer3
231 <400> SEQUENCE: 9
232 ggggacaagt ttgtacaaaa aagcaggctc taaacgtggg ggggggggaca gtgtcctgct      60
234 ctcc      64
237 <210> SEQ ID NO: 10
238 <211> LENGTH: 50
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence

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242 <220> FEATURE:
243 <223> OTHER INFORMATION: primer4
245 <400> SEQUENCE: 10
246 ggggaccact ttgtacaaga aagctggggtt taattaagac tgcggcaccc      50
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 65
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: primer5
257 <400> SEQUENCE: 11
258 ggggacaagt ttgtacaaaa aagcaggctc taaacgtggg gggggggaca gtgtcctgct      60
260 ctccg                                                                65
263 <210> SEQ ID NO: 12
264 <211> LENGTH: 50
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: primer6
271 <400> SEQUENCE: 12
272 ggggaccact ttgtacaaga aagctggggtt tatccaccat taacacggcg      50
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 48
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: primer7
283 <400> SEQUENCE: 13
284 ggggacagct ttcttgtaga aagtgggtga tctgtagtag ctcgtgaa      48
287 <210> SEQ ID NO: 14
288 <211> LENGTH: 53
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: primer8
295 <400> SEQUENCE: 14
296 ggggacaact ttgtataata aagttggatc ttggatataa aaatccaaat atg      53
299 <210> SEQ ID NO: 15
300 <211> LENGTH: 47
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: primer9
307 <400> SEQUENCE: 15
308 ggggacagct ttcttgtaga aagtgggatc tgtagtagct cgtgaag      47
311 <210> SEQ ID NO: 16
312 <211> LENGTH: 49
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence

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316 <220> FEATURE:

317 <223> OTHER INFORMATION: primer10

319 <400> SEQUENCE: 16

320 ggggacaact ttgtataata aagttgtttc ctataataga ctagcgtgc 49

323 <210> SEQ ID NO: 17

324 <211> LENGTH: 477

325 <212> TYPE: DNA

326 <213> ORGANISM: Curculigo latifolia

328 <400> SEQUENCE: 17

329 atggcgcca agtttcttct caccattctt gtcacctttg cggccgtcgc tagccttggc 60

331 atggccgaca atgtcctgct ctccgggcaa actctgcatg ccgaccactc tctccaggcg 120

333 ggcgcctata ccttaaccat acaaaacaag tgcaacctgg tgaaatacca gaacgggagg 180

335 cagatctggg ctagcaacac tgacaggcgg ggctccggct gccgcctcac attgctgagt 240

337 gacgggaacc tcgttatcta cgaccacaac aacaacgacg tgtgggggag cgcctgctgg 300

339 ggggacaacg gcaagtatgc tcttgcttct cagaaggatg gcagatttgt catctatggc 360

341 ccggttttgt ggtcccttgg ccctaattgg tgccgccgtg ttaatgggtg aatcacagtt 420

343 gctaaggatt ctactgaacc acaacatgag gatattaaga tgggtgattaa taattaa 477

346 <210> SEQ ID NO: 18

347 <211> LENGTH: 3481

348 <212> TYPE: DNA

349 <213> ORGANISM: Aspergillus nidulans

351 <400> SEQUENCE: 18

352 gatctgtagt agctcgtgaa ggggtggagag tatatgatgg tactgctatt caatctggca 60

354 ttggacagtg agtttgagtt tgatgtacag ttggagtcgt tactgctgtc atccccttat 120

356 actcttcgat tgtttttcga accctaacgc caagcacgct agtctattat aggaaaggat 180

358 cctctagagt cgacctgcag gcatgcaagc tggtcagctt ctcttggcaa tagctgcccg 240

360 tatgacagga agtccgtaag tacttcccct cccacacttc agtatacgtc ccagtatggt 300

362 gtggctgacg attcgagggc cggcatccct acgtcattag tcaaaatttg atactggtat 360

364 tgtgcttgag ggcgcggagc cggagagctc agaagatata tccgggttga tctgttctca 420

366 tattcttttc agattagaat tactgcttcg tacattccct gataattgat atcttccttc 480

368 aatgacagaa atagatatta aacagaaatg gtaatagtcc cgggtgcggag aaatacaccg 540

370 ccccgcgca ctcgatatata caacagtcaa attcaggagc cacaacatat ctagctcacc 600

372 gtcactaaga tatggcgctc gcttagcata ggagtaactg ttttgaagag ataaatgctg 660

374 ccgatatata tacgtttacg caattgccca tgtgaagtca tgcagagtcg ttacttgaat 720

376 tcaaatgttc tatagccttc ccaagcactc ttaaccgaag atcccgtctt tatctcgcac 780

378 caaacaagg aaataaatcg caaatctcta acgcccata ttatctacag acgctcaaag 840

380 tagccctcgc tctcgagcat gaggatgatc tcatggacaa tgggaacgaac gctctgcttg 900

382 gaaacgtcga ccacaagggt ggcgttggtg ggggcctcgt aggggtcatc gacaccggtg 960

384 aagcccttga tttcaccgcg gcgggccttg gcgtagatac cgcgcttgct agtggcctca 1020

386 cagtattcga ggggagtgtt gacgtgaacc aggaagaaag agccaccggt gctctggaca 1080

388 gcctcacggg ccgccttgcg ggagtgtcgc tagggagcaa tgggggcagc gataacagcg 1140

390 gcaccggcgc ggggtgagtt accggcgacg aaagcgatgc gctggacgtt ggtgtggcgg 1200

392 tcctcacgac tgaagcccag ctgagaggag agctcgtggc ggacagtgtc accaaggagg 1260

394 agtgtgacag agcgtccacc ctgctggttg agagtgcct ggagagcacg agcgatggcg 1320

396 tccttgccgg agttcatgta accggtaagg aagatggtga aaccctggag ggcgcgaggg 1380

398 gggctagact cgcgcaggat cttgacaact tcggggtaag agaaccactc agggatgtga 1440

400 gcaccggtac ggagacggtt acggagtcca gttccggaga tgtcgagggt cttggtgccc 1500

402 gcaggaacct cgtccttggg catgtactca tcggtgtcgg ggaggtaggt gacttgctgg 1560

404 aattcaacga cctcgatacc gagctccgcg cggtacttct cgaccgcgtg ctgagcatcg 1620

VERIFICATION SUMMARY

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L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date